SEE T-22A and T-22B FOR BRIDGE DELINEATION DETAILS

ELEV."A" SHOWN THIS ¢ SHOWN THIS TYPE 2 OBJECT MARKER (YELLOW)-TYPE 3 OBJECT MARKER (SEE DETAIL) EDGE OF PAVEMENT HEADWALL WITHIN SHOULDER AREA ROADWAY EDGE OF ROADWAY-HEADW, SEC.,E EDGE OF SHOULDER-ROADWAY ELEVATION "B" FRONT (VARIABLE) SHOULDER HEADWALL. ELEVATION "A"-WIDTH | WINGWALL. ELEVATION "B" ELEVATION "A" FRONT | FLARED END SLOPE SHOULDER WIDTH-SECTION, OR END PLAN OBJECT MARKER(TYPE 3) OF CULVERT. WITH ONE OBJECT MARKER(TP2) ELEVATION "A" ON EACH SIDE OF POST. ON MAJOR DRAINAGE STRUCTURES ONE OBJECT MARKER (YELLOW) (TYPE 2) SHALL BE USED WHERE HEADWALLS, FLARED END SECTIONS, OR CULVERT ENDS ARE LOCATED WITHIN THE FRONT ON FEDERAL RESURFACING PROJECTS, WHEN ELEVATION "B" EXISTS, THE SLOPE AS SHOWN IN ELEVATION "A" DETAIL. FIELD REVIEW TEAM WILL FIFVATION "B" RECOMMEND WHICH TO USE; A COMBINATION OF ONE OBJECT MARKER (TYPE 3) AND TWO OBJECT MARKERS (YELLOW) (TYPE 2), ONE ON EACH SIDE OF THE POST, SHALL BE USED GUARDRAIL, ADDITIONAL WHERE HEADWALLS OF CULVERTS ARE LOCATED WITHIN THE EXISTING SHOULDER AREA AS SHOWN IN ELEVATION "B" DETAIL. DELINEATION, OR EXTENSION OF DRAINAGE STRUCTURE.

>=THE INSIDE EDGE OF THE MARKER SHALL BE IN LINE

WITH THE INNER EDGE OF THE OBSTRUCTION

LOCATION OF OBJECT MARKERS AT CULVERT ENDS

RECOMMENDED SPACING FOR DELINEATORS DELINEATORS SHOULD NORMALLY BE SPACED 528' APART, WHERE SUCH IS INTERRRUPTED BY DRIVEWAYS, CROSSROADS, ETC., AND WHERE UNDER THE NORMAL SPACING, A DELINEATOR WOULD FALL WITHIN SUCH AN AREA, THAT DELINEATOR MAY BE MOVED IN EITHER DIRECTION A DISTANCE NOT EXCEEDING (132') OF THE NORMAL SPACING, IF SUCH DELINEATOR STILL FALLS WITHIN THAT AREA, IT SHOULD E ELIMINATED.SEE TABLE BELOW FOR RECOMMENDED SPACING OF HORIZONTAL CURVES.

TABLE SPACING (1) FOR DELINEATORS ON HORIZONTAL CURVES SPACING IN ADVANCE & BEYOND CURVE (IN FEET) SPACING RADIUS (MAINLINE ONLY) ON CURVE OF CURVE (IN FEET) (IN FEET) 3RD 2ND 400 500 800 165

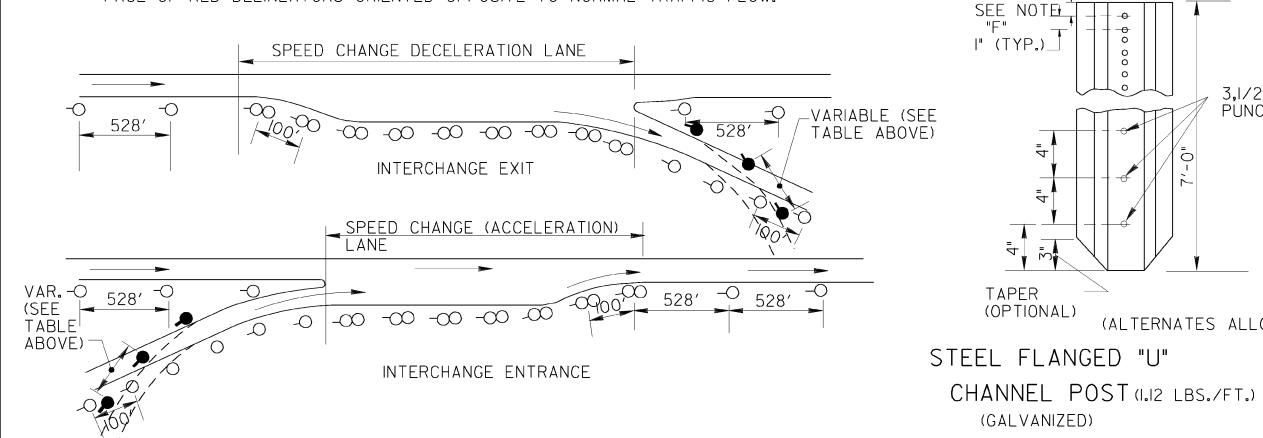
(I)SPACING, S, FOR SPECIFIC RADIINOT SHOWN MAY BE INTERPOLATED FROM THE TABLE OR COMPUTED FROM THE FORMULA S=3\/R-50'.WHERE R IS THE RADIUS OF CURVATURE IN FT.AND S IS ROUNDED TO THE NEAREST 5 FT. THE SPACING TO THE FIRST DELINEATOR IN ADVANCE OF THE CURVE IS 2S, TO THE SECOND 3S, AND

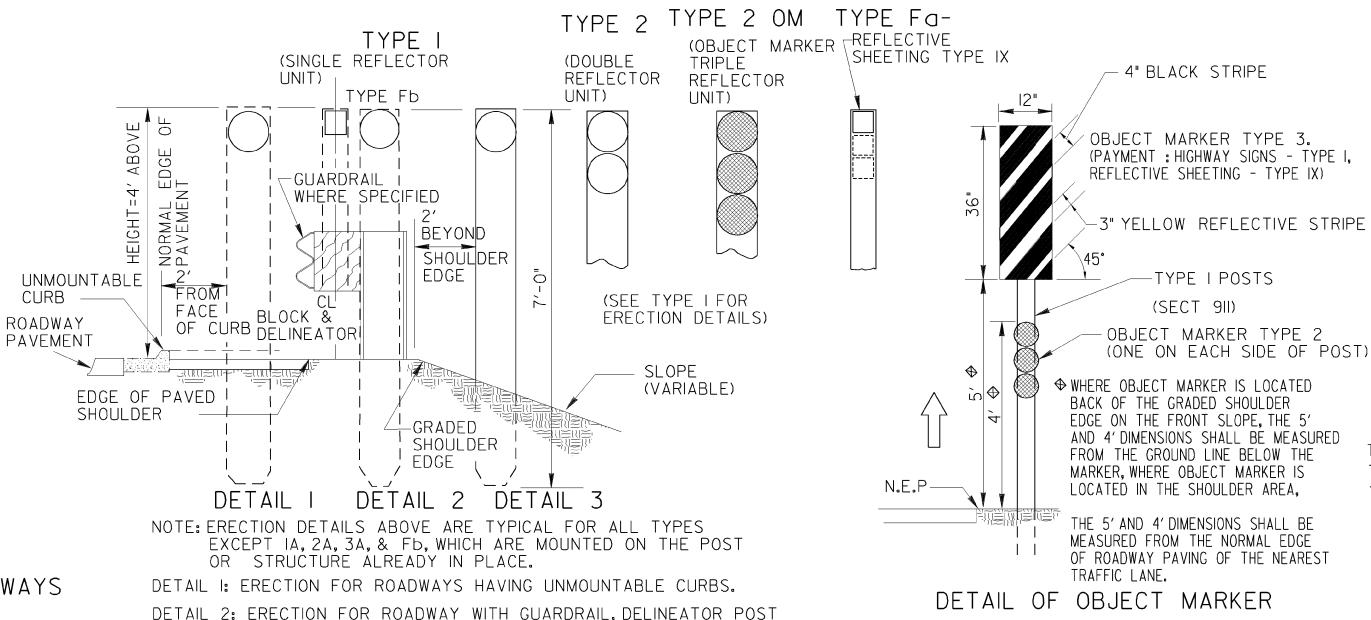
THE THIRD 6S. BUT NONE TO EXCEED 300 FEET, MINIMUM SPACING IS 20 FEET.

LOCATION OF DELINEATORS ON FREEWAY & EXPRESSWAY TYPE HIGHWAYS

TYPES OF DELINEATORS, ERECTION LOCATION, AND SPACING SHALL BE AS FOLLOWS.

- SINGLE CRYSTAL(WHITE) REFLECTOR UNITS (TYPE IDELINEATOR) ON RIGHT SIDE OF MAINLINE AT 528 FOOT SPACING & ON RT. SIDE OF RAMP TGT. SECTIONS AT 100 FOOT SPACING FROM PHYSICAL CORE TO RAMP TERMINUS.
- DOUBLE CRYSTAL(WHITE) REFLECTOR UNITS (TYPE 2 DELINEATOR) ON RIGHT SIDE OF SPEED CHANGE (ACCELERATION & DECELERATION) LANES THAT ARE ON RIGHT SIDE OF MAINLINE AT 100 FOOT SPACING FROM TAPER TO PHYSICAL CORE.
- SINGLE YELLOW REFLECTOR UNITS (TYPE 1 DELINEATOR) ON LEFT SIDE OF RAMP HORIZONTAL (YELLOW) CURVES & ON LEFT SIDE OF MAINLINE HORIZONTAL CURVES GREATER THAN 3° CURVATURE.
- DOUBLE YELLOW REFLECTOR UNITS (TYPE 2 DELINEATOR) ON LEFT SIDE OF SPEED CHANGE (ACCELERATION & DECELERATION) LANES THAT ARE ON LEFT SIDE OF MAINLINE AT 100 FOOT YELLOW) SPACING FROM TAPER TO PHYSICAL CORE.
- SINGLE REFLECTOR UNITS (TYPE I DELINEATOR) ON LEFT SIDE OF EXIT RAMPS AT 100 FOOT SPACING FROM "WRONG WAY" SIGN TO RAMP TERMINUS. USE TYPE IA RED DELINEATORS ON RIGHT OR LEFT SIDE OF EXIT RAMPS WHERE TYPE I WHITE OR YELLOW DELINEATORS ARE USED FACE OF RED DELINEATORS ORIENTED OPPOSITE TO NORMAL TRAFFIC FLOW.





SHALL BE IN THE SAME PLANE AS FACE OF GUARDRAIL POSTS,

DETAIL 3: ERECTION FOR ROADWAYS HAVING SHOULDERS(WITHOUT CURBS).WITH

MOUNTABLE CURBS, ERECTION SHALL BE SAME AS DETAIL 3.

INDICATED ABOVE.

(GALVANIZED)

EXCEPT FOR TYPE Fb. AS SHOWN, AND POSSIBLY AT BRIDGE ENDS AS

ALUMINUM FLANGED

"U" CHANNEL POST(0.78 LBS/FT.)

DELINEATOR ERECTION DETAILS

TYPE 2 OBJECT MARKER (YELLOW)-

FLEXIBLE DELINEATOR POSTS ILLUSTRATED HERE ARE TYPICAL. SEE GA. D.O.T. QUALIFIED PROD-- GAUGE TO GIVE WEIGHT UCTS LIST FOR APPROVED DESIGNS & MATERIAL, REFLECTIVE UNITS SHALL BE 3" WIDE BY 4" HIGH. POSTS SHALL BE INSTALLED TO PROVIDE 4 FT. HT. FROM TRAVEL SURFACE TO TOP OF TOP DELINEATOR. SEE NOTEL "F" I" (TYP.)_ SEE NOTE "F" --l"(TYP.) 3,1/2" HOLES DRILLED OR # = 66" FOR DETAIL I AND DETAIL 2. PUNCHED (SEE NOTE "C") L=78" FOR DETAIL 3. PRF- — DRILLES HOLES (MINIMUM DEPTH IN GROUND FOR TYPE Fa SHALL BE 18") GUARDRAIL FLEXIBLE ROADSIDE FLEXIBLE (COMPOSITE ALLOY) (COMPOSITE ALLOY) DELINEATOR POST DELINEATOR POST MIN. TAPER — TAPFR (ALTERNATES ALLOWABLE IF LISTED IN GA. D.O.T. QPL LIST.) TYPE Fa-I(ONE REFLECT.) TYPE Fb-I(ONE REFLECT.)

TYPES OF DELINEATORS

TYPE I - ALUMINUM OR GALVANIZED STEEL FLANGED "U" CHANNEL POST WITH SINGLE REFLECTOR UNIT. REFLECTOR UNIT TO CONSIST OF: (A) ONE 3" DIAMETER SEALED PRISMATIC REFLEX REFLECTOR WITH PLATE AND FRAME, OR, (B) ONE 4" X 5" RECTANGULAR TYPE I, LEVEL A REFLECTIVE SHEETING REFLECTOR WITH PLATE AND FRAME, OR (C) ONE $3\frac{1}{4}$ " DIAMETER CENTER MOUNT SEALED PRISMATIC REFLEX REFLECTOR HOUSED IN ALUMINUM BACKING WITH SINGLE GROMMETTED HOLE IN CENTER OF REFLECTOR.

PROJECT NUMBER

(TP.2) ONE

SIDE OF POST.

EDGE OF

SHOULDER

ON EACH

GA. | CSNHS-0008-00(415)01 | 391 | 472

2 OBJECT MARKERS (YELLOW)

- TYPE 2 ALUMINUM OR GALVANIZED STEEL FLANGED "U" CHANNEL POST WITH DOUBLE REFLECTOR UNIT REFLECTOR UNIT TO CONSIST OF: (A) TWO 3" DIAMETER SEALED PRISMATIC REFLEX REFLECTORS WITH PLATE AND FRAME, OR, (B) TWO 4" X 5" RECTANGULAR TYPE I, LEVEL A REFLECTIVE SHEETING REFLECTORS WITH PLATE AND FRAME, OR (C) TWO 31/4" DIAMETER CENTER MOUNT SEALED PRISMATIC REFLEX REFLECTOR HOUSED IN ALUMINUM BACKING WITH SINGLE GROMMETTED HOLE IN CENTER OF EACH REFLECTOR.
- TYPE 3 ALUMINUM OR GALVANIZED STEEL FLANGED "U" CHANNEL POST WITH TRIPLE REFLECTOR UNIT. REFLECTOR UNIT TO CONSIST OF: (A) THREE 3" DIAMETER SEALED PRISMATIC REFLEX REFLECTORS WITH PLATE AND FRAME, OR, (B) THREE 4" X 5" RECTANGULAR TYPE I, LEVEL A REFLECTIVE SHEETING REFLECTORS WITH PLATE AND FRAME, OR (C) THREE 31/4" DIAMETER CENTER MOUNT SEALED PRISMATIC REFLEX REFLECTORS HOUSED IN ALUMINUM BACKING WITH SINGLE GROMMETTED HOLE IN CENTER OF EACH REFLECTOR.

REFLECTOR UNIT ONLY MOUNTED ON POST OR STRUCTURE ALREADY IN PLACE. REFLECTOR UNIT SAME AS FOR TYPE 1, 2, AND 2 OM, RESPECTIVELY. TYPE 2 OM-TRIPLE

> FLEXIBLE DELINEATOR POSTS SHALL BE USED AT LOCATIONS WHERE HIGH FREQUENCY OF HITS ARE CONTEMPLATED . SUCH AS GORE AREAS, OUTSIDE OF SHARP CURVES, ETC., AND MAY ALSO BE USED AS ALTERNATIVES TO EITHER TYPE 1, TYPE 2, OR TYPE 3 DELINEATORS WHEN SPECIFIED ON THE PLANS.DIFFERENT DESIGN FLEXIBLE DELINEATORS PERMITTED, IF APPROVED BY THE GA. D.O.T. OFFICE OF MATERIALS AND RESEARCH.

GENERAL NOTES:

TYPE IA-SINGLE

TYPE 2A-DOUBLE

TYPE Fa -l

TYPE Fb -

SURFACE

TYPE Fb-2 (TWO REFLECT.)

TYPE Fa-2 OM (THREE REFLECT.) TYPE Fb-2 OM (THREE REFLECT.)

TYPE Fa-2 (TWO REFLECT.)

- A- SPECIFICATIONS: GA. STANDARD. CURRENT EDITION. & SUPPLEMENTS THERETO.
- B- REFLECTORS FOR TYPES LAND IA SHALL BE CRYSTAL (WHITE).YELLOW OR RED, AS SPECIFIED ON THE PLANS. REFLECTORS FOR TYPES 2 AND 2A SHALL BE CRYSTAL (WHITE) OR YELLOW AS SPECIFIED ON THE PLANS. REFLECTORS FOR TYPE 3 AND 3A SHALL BE YELLOW ONLY AS SPECIFIED ON THE PLANS.
- C- WHEN POSTS ARE SET IN CONCRETE, METAL RODS SHALL BE INSERTED IN 3,1/2" DIA. HOLES LOCATED AT BOTTOM OF POST. MIN SIZE OF RODS SHALL BE $\frac{1}{4}$ " DIA. X 3" LONG.
- D- MONODIRECTIONAL DELINEATORS SHALL BE USED AND ERECTED AT THE RECOMMENDED SPACING. UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- E- FOR ADDITIONAL DATA ON DELINEATORS, REFER TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ALL SUPPLEMENTS THERETO.
- F- DRILL OR PUNCH 17,3/8" DIA. HOLES ON I" CENTERS FOR A DISTANCE OF 17" MINIMUM FROM TOP POST.

